OIPE

RAW SEQUENCE LISTING   DATE: 12/20/2001
PATENT APPLICATION: US/10/001,873   TIME: 09:26:55

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\12202001\J001873.raw

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   3 <110> APPLICANT: Macina, Roberto
   4         Recipon, Herve
   5         Chen, Sei-Yu
   6         Sun, Yongming
   7         Liu, Chenghua
   8         Turner, Leah
  10 <120> TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes and
Proteins
  12 <130> FILE REFERENCE: DEX-0275
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/001,873
C--> 14 <141> CURRENT FILING DATE: 2001-11-20
  14 <150> PRIOR APPLICATION NUMBER: 60/252,055
  15 <151> PRIOR FILING DATE: 2000-11-20
  17 <150> PRIOR APPLICATION NUMBER: 60/252,496
  18 <151> PRIOR FILING DATE: 2000-11-22
  21 <160> NUMBER OF SEQ ID NOS: 55
  23 <170> SOFTWARE: PatentIn version 3.1
  25 <210> SEQ ID NO: 1
  26 <211> LENGTH: 1557
  27 <212> TYPE: DNA
  28 <213> ORGANISM: Homo sapien
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  51 gtggctccat tacgctgtgt tattcatccc cgtgtgttgt gttgtacacc atttgtgtgt     660
  53 atatctcgcc ggcctctccc accaagaatt ctccccaaca acacaacaat tttcagaaac     720
  55 ccacaacggt gggtaaaaca cagaacaata gaacaactca aaaaacaaca acaatacacc     780
  57 acaaaaaaaa aaaaaacaca aacaacagca aaataccaac aaactaacct aaaaccacac     840
  59 cataatcaaa atattaacaa aaaaaaacat actcaacaca aataccaaaa cacacacaca     900
  61 gaatcatata ccaccaatat aatatataca taaaataaaa ctatccacac aaaaaccaat     960
  63 taatacataa aataatttaa tcatcaataa taacatctac agacaaaaat gcctacctca    1020
  65 caaatcaaaa taaaaacac aattaactac aaactaaaac actaactaag caacaaaaat    1080
  67 aaataacaaa aaataactac aaaaatcaaa acaataagaa cgaacacaac aacactaaaa    1140
  69 atcaaacaca aataaagaca aaacaaaaca atcaaaaaca caaaacaaaa acaacaacac    1200
  71 acaaaccaaa cacaaaaaca caactaacaa ctcaaaacta actaaaaaca caacaaaaca    1260
  73 caacaaaaac aaaaaaataa gaaataaaat acatcaataa aaaaacatga gcaatccaaa    1320
  75 catgtataat atacaccaga acaatattac acaaaactta aacatataac taaacaaaca    1380
  77 caaaaaacat aataatagac acactaacaa cccatcaagc cacaaacaag cacaaacaaa    1440
  79 agagacaaac caacaactac catcaacaaa caaaaaagca caaactaaaa aataaaatta    1500
  81 ataaaacata atactcttca tctctctaaa aaatctctat attcacccac ccacacg      1557
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100 taaaacctcc aactctcttt gtgcccctct atagccacat tatgccactc tgtgctctcg    180
102 gccccacaac tgtgtcgtcc cgggtccttt gaagagggag tgcagcgaca aaaagcttgt    240
104 gcgcggtagt ccactctcat gtggtcgtca tatatgncag ttgtgtctcc gcgtgtgtgt    300
106 gtgtacacat gtgtgtgtat atctctcggt cgctcacaca tatatctcac acacacacaa    360
108 caccatatat agctgttaaa caaacgagca catcaaaaaa aaaataagag cagtggaaag    420
110 acgacagcgg gaacgtaaac aataaagaat aaccatattt caactagctt actatcacta    480
112 tacataccac actaccattt gtaaaatgca tattcacatc agttcaaact actactacaa    540
114 cacatcacaa aacatatcta tcactacatc catacacaag taaaccacaa ctacactctt    600
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118 aacctcctca tctacaaatc actccctcac ttcattctct tctaacatcc aattcaatat    720
120 caccccaaaa cgctactatt atcctctacc aacacatccc acacagcctg ccaccttcct    780
122 ccactacctc acttcatcta cctcatctct cattccacat cccatccaat cactcctgca    840
124 ttctaccaat gtccactact cacacacatc acaacttagt ttccaccgac gacctctaac    900
126 cattctcccc taacttctca ttctacccat ctctctaata catgcaatgc agctctcact    960
128 ctatatcaca taccccctcag ctattcctac ctataactaa tcaaaccacc atcacactca   1020
130 caacctcaag taccatcttc acatcatcga caccccatat cactcaccaa caactatatc   1080
132 aacaaacact aattacataa ctccaattct tcacacaact acatataagt cctacccaac   1140
134 atcacaggcc acgactctac aagctcttac ccctcacccg acaaaaaaaa cacgtttcta   1200
136 attacagaaa tttgttaaac ttacaacact ccatctacta tcctactcat cactatcgta   1260
138 catcccacct tactactcaa caatactaat catcatgtcc tacaagaatc aacatacgaa   1320
140 acaaactgaa caattcagat ctctatgcta ctcgctgcct gatctgcgtt cctactgtct   1380
142 agcctaccct ccctctactt atctgtgcta ctttctctct aacatacaac acataccca    1440
144 cacaaacatc acgaatcgat caacttccca acaacgcgtc atatatcact catctctcac   1500
146 tgctctcgta acgatactca accatccaca aacttaaata cactaatcac ctcctacaca   1560
148 gtcattcgct aacagctaac ttcattctat catcaactca cctcaatcac ataacatagc   1620
150 cacgcataag tatagccgca tcagcgtcca gctactagtc taactcactc acctcccact   1680
152 tatctctaat catagtatct aatctcccgt catctcaact ccacagtatc acttatctac   1740
154 acatcaaatc ttctatcgcc agtattcaga cattaactac actaacagca ctacacctaa   1800
156 caccgaaact cactctgacc tcactgctca cactactatc acctctcacc accactatcg   1860
158 ctgccactcg ctcactcgta ctcgtccact ctactcgata ctctcctcta agaaacatct   1920
160 cactccatac acacacctct cccattcatc catcaaattc taactctgat ctcgcaccct   1980
162 ccccactcct ccctcctact cgcccgatcc cttaccatac gactctcatc actcgatcac   2040
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170 <211> LENGTH: 575
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapien
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179 cacactagcc aatcctctca cacttgttct ggtttcagac gtgtccaggt cggacgtaga     180
181 gaagggcttc ggagatctct agtatctttg cacacaattc agggtgctgt tcatcctaca     240
183 ccttgcacgc acgctgtctc tgtgcagtgc tcgggtgcag agccgaacga gcagtcgtgt     300
185 gactctagcc agggtatgcg gtataggcag ttaagcaggg atcgagttac gcacatacta     360
187 ctgtgccatg tgaattagta gggcctacct aagcatagtg caggagcact ggtgtcaagc     420
189 taacacatag attcctgggc gacatacttg gtccattcat gcaagacaag gttgtcttgt     480
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208 cacacacaca cacacacaca aagaacctct atctctcgta gggccctctc tctcagcaac     240
210 cagatgaaga acgctcgtgg catcactacc ccttcctctc ttctcctcct ctcctttcac     300
212 tttcgtggga tcaggggggaa actgtgctcg tgggagggca gggagggtgg aaaaacgcca     360
214 cagcgagaga gggagagata gtggagacgc cgaagatgac atcatgtatt taagcgaggg     420
216 aagacatcta tgaagtcgat agtgtgatta ccacactctt tccccaatac tatagagggt     480
218 ccaaaagagc gggggcagta actcggtggg tcataggcgt gtctcgctcg tgtgatgaag     540
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225 <212> TYPE: DNA
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233 tctatagtat tggggaaaga gtgtggtaat cacactatcg acttcataga tgtcttccct     180
235 cgcttaaata catgatgtca tcttcggcgt ctccactatc tctccctctc tcgctgtggc     240
237 gttttccac cctccctgcc ctcccacgag cacagtttcc ccctgatccc acgaaagtga     300
239 aaggagagga ggagaagaga ggaaggggta gtgatgccac gagcgttctt catctggttg     360
241 ctgagagaga gggccctacg agagatagag gttctttgtg tgtgtgtgtg tgtgtgtgtg     420
243 tgtgtgtgtg tgtgtgtgtg tgtgttttga gatggagtct cgctctgtcg cccaggctgg     480
245 agtgcagtgg cgcaatcttg gctcactgca acctctgcct cccgagttca agcgattctc     540
247 ctgcctcagc ctcccaagta gctgggatta caggcgccca ccatcacgtt cagctaattt     600
249 ttgtattttt agtagagaca gggtttcgcc atgttggcta ggctgctctc gaacttctga     660
251 cctcaggtga tccacccacc tcagcctccc aaagtgcagg tattacaggc gttacacttg     720
253 cgcccagcct ctttgttctt atacattaaa ttttcatgga ccgtctggag attgagaaca     780
255 cagcag                                                              786
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259 <211> LENGTH: 1002
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo sapien
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268 tggtttaaag gtggacaaag ccaaaacttt tttttttcac cacattggaa cggggcccaa     180
270 attccccttg tggggttacc ccagggaatt ccacggttca tcaaagggac ccatttcaaa     240
272 tattgtctaa aaatctccgg aatggggcac ggagcagggg gcatactagt ggcaggggggg    300
274 cattcatccc ccaaggtttc ccggcgaaaa ggagtgcccg agggtgcctg ggggcaagaa     360
276 acagggcaga aaaggtgggt ggtgggggga ggggctgggc ttgaaaaaca cccgtgagag     420
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294 cctcttttct gaaaaacaac ggggggggttc tgcttctccg gcgtccccag gacgcggcgg    960
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309 cagcaaagga gatctgcgcc gagtggccgt aggcctgtgt gttaggacct ttggagaagc     180
311 ctacagcatt gagcgtaagt cagtgggtcg atatgctgtc ttccgtggtc atgaccactt     240
313 gcttatccgg ctcatcaatt tgccagcaac agtgctacta gctcacgcag gtcgcgattt     300
315 tggctagtag cataagtctg taggttcgtc cgtgttcatt ttgtctaaag ttcccatcgt     360
317 cggtagatcc catatgtcac atcctaggat cataaccatg cgcgagtgga agacgcaatt     420
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323 gggtaaaaac aaatgttcga tccacactta atcttgggtg cgaaagtaag gtagaagaac     600
325 aaagcatatt accatataga gttagtgagg taggtcaccc atcatttgac aaggaccaga     660
327 caaaaacacc gtgtgtttga cacaacctta tgtaggaata gagattttac acagagagga     720
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331 ctaatataag ggtttggcca cacatcattc gttcagcaaa taaaacccca gagatgtggc     840
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335 gtgaaattga tataagtccc atatctaatt agaaggaaaa cggaatggat caaataaaag     960
337 aatcatatag ggagtatctg ttcacacgag agatgtgatc ccagtatcgg gaagacccaa    1020
339 aatagagtac ggaaggacac taagtacagc cagataatat atgaattggt taaaaggata    1080
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343 acccaacaat tgtatcccca acaggcgcgt tgattaatgt gacgagaaaa aaaaagtaca    1200
345 cagggacccca cacacgggac aattagctaa agggaagtcc ctaggtgaca aaaagggcag   1260
347 cacggagcaa cataagcagg aaaacaacaa taacgtggga cacaaggtcg gctcaaagca    1320
349 aaaccaggac cgggcaacaa aacgccacaa gaactcccac cgcgtggcaa actagtcaaa    1380
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354 <210> SEQ ID NO: 8
355 <211> LENGTH: 469
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364 gcaagcattt tgggaggcag aggcagaggg aggatcactt gagcccagga gcttcaagat   180
366 gagcttgggc aacatagtaa gatgtcgtct caaaaaacaa acaaaaaaat agccagtggt   240
368 gacacatacc tgtagtccta gtcacttgag ggactgagac agaaggattg cttgagccca   300
370 gaaggttgag gctgcagtga gccatgactg tgccactgca ctccagctta ggtgacagtg   360
372 aaaccttgcc tcagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagtttgg gtaactggat   420
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389 gacctacaag caaagctaac gaagaggaac gcaagaacag aatgagagaa atgtcagtgg   240
391 gagactcgca caatggccca cgatgttggt gactggcacc agaagtgatg ctgcagattt   300
393 ggatcacagc ccgaatgcga gtcagtgtgc tgtcagatga atgttacgtc tgtggccacc   360
395 tgtggacttt ttcgcaagac cgattaataa actaaaaact tcacaacaaa taccacacaa   420
397 caatacagag caagaagggc ttgggggtta cctcggtggg gccatttcgg cggtgatccc   480
399 cccgtgggtg agttgaacca tgttgggtta tcatcccccg ggctctcaca cacatttccc   540
401 ccacccacca agacttttat tagccagcta gcaaaaaccc tggacaattg atagaagcat   600
403 agaggaggaa gcataaaaga ggttcataag caaataaatg ctacagagac gaaacagaag   660
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409 <211> LENGTH: 1788
410 <212> TYPE: DNA
411 <213> ORGANISM: Homo sapien
413 <220> FEATURE:
414 <221> NAME/KEY: misc_feature
415 <222> LOCATION: (1640)..(1640)
416 <223> OTHER INFORMATION: a, c, g or t
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422 cagtctcgct ctgtcgccca gtgctggatt gcaggtggcc gcaatctctt cgggatcact   120
424 tgaaacctct ccacctctcc cggggttcac cgccatttct tcctggcctc agcctctccc   180
426 gagatagcgt ggagattata cgggtgccgc cctgccaaca aggcccgggt ataatttttt   240
428 cggattattt tatagtatag gaagaacgag gggttttcca accaggtgtt tgaccccgag   300
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436 gaaaatataa ccgcgacaaa gacctataat ctcgtgtgaa aatgtgtata tcgcagcata   540
438 tatatgtgcc cccacatata tttatagagg tataaaaaca acatttatta gaagaaaaaa   600
440 actgtggttt cactctctta tagacatatt acgatctcta tgtaggacgc aaaaatatat   660
442 accccagtgc tgtgtagtgt gaagagggcg acattatcta gtgagtgtgg gcacatttta   720
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Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY　　　　　　　DATE: 12/20/2001
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L:14  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
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